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- ☐ 1. **Mltistage bilateral noise filtering and edge detection for color image enha**
 Wen-Chung Kao; Ying-Ju Chen;
[Consumer Electronics, IEEE Transactions on](#)
 Volume 51, Issue 4, Nov. 2005 Page(s):1346 - 1351
 Digital Object Identifier 10.1109/TCE.2005.1561866
[AbstractPlus](#) | Full Text: [PDF\(362 KB\)](#) IEEE JNL
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- ☐ 2. **High definition color interpolation scheme for progressive scan CCD ima**
 Bong Soo Hur; Moon Gi Kang;
[Consumer Electronics, IEEE Transactions on](#)
 Volume 47, Issue 1, Feb. 2001 Page(s):179 - 186
 Digital Object Identifier 10.1109/30.920437
[AbstractPlus](#) | Full Text: [PDF\(1180 KB\)](#) IEEE JNL
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- ☐ 3. **Integrating edge detector and bilateral noise filter for enhancing color im**
 Wen-Chung Kao; Ying-Ju Chen; Chia-Ping Shen; Chi-Wu Huang; Sheng-Yuar
[Circuits and Systems, 2006. ISCAS 2006. Proceedings. 2006 IEEE Internation](#)
 21-24 May 2006 Page(s):4 pp.
 Digital Object Identifier 10.1109/ISCAS.2006.1693673
[AbstractPlus](#) | Full Text: [PDF\(1448 KB\)](#) IEEE CNF
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- ☐ 4. **Mean Shift-Based Edge Detection for Color Image**
 Huimin Guo; Ping Guo; Qingshan Liu;
[Neural Networks and Brain, 2005. ICNN&B '05. International Conference on](#)
 Volume 2, 13-15 Oct. 2005 Page(s):1118 - 1122
 Digital Object Identifier 10.1109/ICNNB.2005.1614813
[AbstractPlus](#) | Full Text: [PDF\(2144 KB\)](#) IEEE CNF
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- ☐ 5. **A New Approach to Coin Recognition using Neural Pattern Analysis**
 Bremananth, R.; Balaji, B.; Sankari, M.; Chitra, A.;
[INDICON, 2005 Annual IEEE](#)
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- ☐ 6. **Face recognition using genetic algorithm based template matching**
Karungaru, S.; Fukumi, M.; Akamatsu, N.;
[Communications and Information Technology, 2004. ISCIT 2004. IEEE International Symposium on](#)
Volume 2, 26-29 Oct. 2004 Page(s):1252 - 1257 vol.2
Digital Object Identifier 10.1109/ISCIT.2004.1413920
[AbstractPlus](#) | Full Text: [PDF\(763 KB\)](#) IEEE CNF
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- ☐ 7. **Real time visualization of 3D variable in time object based on cloud of points gathered by coloured structure light projection system**
Garbat, P.; Wegiel, M.; Kujawska, M.;
[3D Data Processing, Visualization and Transmission, 2004. 3DPVT 2004. Proceedings of the 3rd International Symposium on](#)
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Digital Object Identifier 10.1109/TDPVT.2004.1335297
[AbstractPlus](#) | Full Text: [PDF\(5243 KB\)](#) IEEE CNF
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- ☐ 8. **A new digital camera zooming solution**
Lukac, R.; Plataniotis, K.N.;
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Volume 2, 2-5 May 2004 Page(s):845 - 848 Vol.2
[AbstractPlus](#) | Full Text: [PDF\(439 KB\)](#) IEEE CNF
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- ☐ 9. **Object boundary edge selection using normal direction derivatives of a complex scene**
Tae-Yong Kim; Jihun Park; Seong-Whan Lee;
[Pattern Recognition, 2004. ICPR 2004. Proceedings of the 17th International Conference on](#)
Volume 4, 23-26 Aug. 2004 Page(s):755 - 758 Vol.4
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- ☐ 10. **Bayer pattern based digital zooming approach**
Lukac, R.; Plataniotis, K.N.;
[Circuits and Systems, 2004. ISCAS '04. Proceedings of the 2004 International Symposium on](#)
Volume 3, 23-26 May 2004 Page(s):III - 253-6 Vol.3
Digital Object Identifier 10.1109/ISCAS.2004.1328731
[AbstractPlus](#) | Full Text: [PDF\(643 KB\)](#) IEEE CNF
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- ☐ 11. **Application of image processing techniques in the characterization of plant leaves**
Cunha, J.B.;
[Industrial Electronics, 2003. ISIE '03. 2003 IEEE International Symposium on](#)
Volume 1, 9-11 June 2003 Page(s):612 - 616 vol. 1
[AbstractPlus](#) | Full Text: [PDF\(535 KB\)](#) IEEE CNF
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- ☐ 12. **High-performance and energy-efficient heterogeneous subword parallel processing for speech recognition**
Jongmyon Kim; Wills, D.S.;
[Signal Processing Systems, 2003. SIPS 2003. IEEE Workshop on](#)
27-29 Aug. 2003 Page(s):75 - 80
[AbstractPlus](#) | Full Text: [PDF\(445 KB\)](#) IEEE CNF
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- ☐ **13. Smart interpolation by anisotropic diffusion**
Battiato, S.; Gallo, G.; Stanco, F.;
[Image Analysis and Processing, 2003.Proceedings. 12th International Conference](#)
17-19 Sept. 2003 Page(s):572 - 577
Digital Object Identifier 10.1109/ICIAP.2003.1234111
[AbstractPlus](#) | Full Text: [PDF\(759 KB\)](#) IEEE CNF
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- ☐ **14. Local mode filtering**
Van de Weijer, J.; Van den Boomgaard, R.;
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Volume 2, 2001 Page(s):II-428 - II-433 vol.2
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- ☐ **15. Using CBIR and pathfinder networks for image database visualisation**
Gagaudakis, G.; Rosin, P.L.; Chaomei Chen;
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Volume 1, 3-7 Sept. 2000 Page(s):1052 - 1055 vol.1
Digital Object Identifier 10.1109/ICPR.2000.905652
[AbstractPlus](#) | Full Text: [PDF\(588 KB\)](#) IEEE CNF
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- ☐ **16. Bio-inspired framework for the fusion of chromatic, infrared and textural**
Ruiz-del-Solar, J.; Soria-Frisch, A.;
[Pattern Recognition, 2000. Proceedings. 15th International Conference on](#)
Volume 3, 3-7 Sept. 2000 Page(s):572 - 575 vol.3
Digital Object Identifier 10.1109/ICPR.2000.903610
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- ☐ **17. Color edge detection with the compass operator**
Ruzon, M.A.; Tomasi, C.;
[Computer Vision and Pattern Recognition, 1999. IEEE Computer Society Conf](#)
Volume 2, 23-25 June 1999 Page(s):
Digital Object Identifier 10.1109/CVPR.1999.784624
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- ☐ **18. Synchronous phase-reset FM carrier recording for reference bursts**
Iwamura, S.; Ishikawa, M.; Murakami, S.; Sugino, M.; Yamaguchi, T.;
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- ☐ **19. A programmable video signal multi-processor for HDTV signals**
Yagi, N.; Fukui, K.; Enami, K.; Sasaki, N.; Saitou, H.; Konno, Y.; Tomita, R.;
[Circuits and Systems, 1993., ISCAS '93, 1993 IEEE International Symposium.](#)
3-6 May 1993 Page(s):1754 - 1757 vol.3
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Last Name = SAWADA

First Name = KENICHI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>06299424</u>	4362800	150	09/04/1981	SENSITIZED PHOTOCONDUCTIVE COMPOSITIONS AND ELECTROPHOTOGRAPHIC PHOTSENSITIVE LAYERS USING SUCH	SAWADA, KENICHI
<u>06601397</u>	Not Issued	161	04/17/1984	PHOTOCONDUCTIVE COMPOSITIONS AND ELECTROPHOTOGRAPHIC PHOTSENSITIVE MATERIALS USING SAID COMPOSITIONS	SAWADA, KENICHI
<u>06665857</u>	Not Issued	161	10/29/1984	ELECTROPHOTOGRAPHIC LIGHT-SENSITIVE MATERIAL	SAWADA, KENICHI
<u>06730573</u>	Not Issued	166	05/06/1985	STEERING WHEEL CORE METAL	SAWADA, KENICHI
<u>06737967</u>	4618553	150	05/28/1985	ELECTROPHOTOGRAPHIC RECORDING MATERIAL COMPRISES BACKING LAYER CONTAINING LONG-CHAIN ALKANOIC ACID METAL SALT	SAWADA, KENICHI
<u>06922835</u>	4753129	150	10/23/1986	STEERING WHEEL CORE METAL	SAWADA, KENICHI
<u>07101259</u>	4842965	150	09/25/1987	NON AQUEOUS ELECTROCHEMICAL BATTERY WITH EXPLOSION PROOF ARRANGEMENT AND A METHOD OF THE PRODUCTION THEREOF	SAWADA, KENICHI
<u>07380541</u>	Not Issued	161	07/17/1989	AUXILIARY POWER SUPPLY DEVICE	SAWADA, KENICHI
<u>07486057</u>	Not Issued	166	02/27/1990	DRY ANALYSIS ELEMENT AND PROCESS FOR PREPARING THE SAME	SAWADA, KENICHI

<u>07959169</u>	<u>5290514</u>	150	10/09/1992	DRY ANALYSIS ELEMENT HAVING A CONSTANT BLANK VALUE AND PROCESS FOR PREPARING THE SAME	SAWADA, KENICHI
<u>08063573</u>	<u>5441031</u>	150	05/19/1993	EVAPORATIVE FUEL PROCESSING SYSTEM FOR INTERNAL COMBUSTION ENGINE	SAWADA, KENICHI
<u>08172811</u>	<u>5433108</u>	150	12/27/1993	CRANK ANGLE SENSOR FOR INTERNAL COMBUSTION ENGINE AND CYLINDER IDENTIFICATION SYSTEM UTILIZING THE SAME	SAWADA, KENICHI
<u>08326200</u>	Not Issued	166	10/20/1994	PRESSURE SENSOR	SAWADA, KENICHI
<u>08667356</u>	Not Issued	166	06/21/1996	PRESSURE SENSOR	SAWADA, KENICHI
<u>08741933</u>	<u>5982940</u>	150	10/31/1996	IMAGE DATA PROCESSING DEVICE AND METHOD OF PROCESSING IMAGE DATA	SAWADA, KENICHI
<u>08891942</u>	<u>6181437</u>	150	07/14/1997	IMAGE PROCESSING APPARATUS CAPABLE OF PRODUCING IMAGES WITHOUT JAGGIES AT EDGES	SAWADA, KENICHI
<u>08902912</u>	<u>5895859</u>	150	07/30/1997	PRESSURE SENSOR	SAWADA, KENICHI
<u>09103308</u>	<u>6366702</u>	150	06/23/1998	METHOD OF AND APPARATUS FOR IMAGE PROCESSING	SAWADA, KENICHI
<u>09178452</u>	<u>6356361</u>	150	10/23/1998	IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING METHOD	SAWADA, KENICHI
<u>09199406</u>	<u>6332045</u>	150	11/25/1998	IMAGE PROCESSING DEVICE	SAWADA, KENICHI
<u>09345122</u>	Not Issued	161	07/06/1999	ELECTRICAL DEVICE HAVING INSULATOR PORTION SUPPORTING ELECTRICAL CONTACT WITH WIRE- BONDING TERMINAL PORTION FIRMLY SECURED IN THE INSULATOR PORTION	SAWADA, KENICHI
<u>09369169</u>	<u>6597472</u>	150	08/05/1999	HALFTONE DOT IMAGE DISCRIMINATION METHOD AND IMAGE PROCESSING DEVICE	SAWADA, KENICHI
<u>09369176</u>	<u>6707951</u>	150	08/05/1999	HALFTONE DOT IMAGE DISCRIMINATION METHOD	SAWADA, KENICHI

				AND IMAGE PROCESSING DEVICE	
<u>09427078</u>	<u>7142238</u>	150	10/26/1999	IMAGE PICK-UP DEVICE	SAWADA, KENICHI
<u>09427114</u>	Not Issued	123	10/26/1999	DATA PROCESSING SYSTEM HAVING A PLURALITY OF PROCESSORS AND EXECUTING A SERIES OF PROCESSINGS IN A PRESCRIBED ORDER	SAWADA, KENICHI
<u>09437406</u>	<u>6633975</u>	150	11/10/1999	DATA PROCESSING SYSTEM HAVING PLURALITY OF PROCESSORS AND EXECUTING SERIES OF PROCESSINGS IN PRESCRIBED ORDER	SAWADA, KENICHI
<u>09438247</u>	Not Issued	41	11/12/1999	IMAGE PROCESSOR PROCESSING IMAGE DATA IN PARALLEL WITH A PLURALITY OF PROCESSORS	SAWADA, KENICHI
<u>09447263</u>	<u>6535971</u>	150	11/23/1999	DATA PROCESSING SYSTEM HAVING PLURALITY OF PROCESSORS AND EXECUTING SERIES OF PROCESSINGS IN PRESCRIBED ORDER	SAWADA, KENICHI
<u>09484540</u>	<u>7003152</u>	150	01/18/2000	IMAGE PROCESSING APPARATUS	SAWADA, KENICHI
<u>09627964</u>	<u>6873428</u>	150	07/28/2000	DATA COMMUNICATION APPARATUS	SAWADA, KENICHI
<u>09783323</u>	Not Issued	71	02/15/2001	Image forming apparatus having a function for correcting color deviation and the like	SAWADA, KENICHI
<u>10538805</u>	Not Issued	20	06/13/2005	Support program for web application server and server	SAWADA, KENICHI
<u>10677738</u>	<u>7142090</u>	150	10/03/2003	VEHICULAR REMOTE CONTROL SYSTEM	SAWADA, KENICHI
<u>10679284</u>	<u>7069119</u>	150	10/07/2003	REMOTE CONTROL DEVICE FOR VEHICLES	SAWADA, KENICHI
<u>10680211</u>	<u>6924735</u>	150	10/08/2003	AUTOMATIC VEHICLE DOOR LOCKING/UNLOCKING APPARATUS	SAWADA, KENICHI
<u>10680274</u>	<u>7034657</u>	150	10/08/2003	VEHICULAR DOOR LOCK REMOTE CONTROL APPARATUS	SAWADA, KENICHI
<u>10680405</u>	<u>6980082</u>	150	10/08/2003	VEHICULAR REMOTE LOCKING/UNLOCKING SYSTEM	SAWADA, KENICHI

10681322	Not Issued	41	10/09/2003	Radio type locking/unlocking device	SAWADA, KENICHI
10762295	Not Issued	30	01/23/2004	Image processing apparatus	SAWADA, KENICHI
10931208	Not Issued	93	09/01/2004	REMOTE DOOR LOCK CONTROLLER FOR VEHICLES	SAWADA, KENICHI
11085790	Not Issued	30	03/21/2005	Information processor capable of using past processing space	SAWADA, KENICHI
11090506	Not Issued	30	03/24/2005	Vehicular remote locking and unlocking control apparatus	SAWADA, KENICHI
11161985	Not Issued	25	08/24/2005	Image Forming Apparatus And Composite Data Processing Method	SAWADA, KENICHI
11162853	Not Issued	20	09/26/2005	Data Transmitting And Receiving System, Transmitting Apparatus And Receiving Apparatus	SAWADA, KENICHI

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3	BRS	L3	25	2 and ((correct\$3 or increas\$3 or decreas\$3) with density)	USPAT	2006/12/10 15:45
4	BRS	L5	44	2 and ((correct\$3 or increas\$3 or decreas\$3) with (lightness or darkness or intensit\$6 or density or luminance))	USPAT	2006/12/10 15:34
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7	BRS	L7	19311	edge with detect\$8	US- PGPUB	2006/12/10 15:37
8	BRS	L8	89	7 same ((enlarg\$3 or increas\$3 near2 size) with edge)	US- PGPUB	2006/12/10 15:37
9	BRS	L9	0	8 same ((correct\$3 or increas\$3 or decreas\$3) with density)	USPAT	2006/12/10 15:38
10	BRS	L10	3	8 same ((correct\$3 or increas\$3 or decreas\$3) with density)	US- PGPUB	2006/12/10 15:38
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13	BRS	L13	169	(differential with filter\$3) and ((colour or color or chrom\$6) with ratio)	USPAT	2006/12/10 15:40
14	BRS	L14	10	(differential with filter\$3) same ((colour or color or chrom\$6) with ratio)	USPAT	2006/12/10 15:41
15	BRS	L15	2	(differential with filter\$3) same ((colour or color or chrom\$6) with ratio with (lum\$8 or lightness or darkness or monochrome))	USPAT	2006/12/10 15:43
16	BRS	L16	0	(differential with filter\$3) same ((colour or color or chrom\$6) with ratio with (lum\$8 or lightness or darkness or monochrome))	US- PGPUB	2006/12/10 15:43
17	BRS	L17	2	(differential with filter\$3) same ((colour or color or chrom\$6) with ratio with (lum\$8 or lightness or darkness or monochrome))	USOCR ; FPRS; JPO; DERWE NT; IBM_T DB	2006/12/10 15:44

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18	BRS	L18	34892	edge with detect\$8	USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2006/12/10 15:44
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20	BRS	L20	161	18 same ((enlarg\$3 or increas\$3 near2 size) with edge)	USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2006/12/10 15:45
21	BRS	L21	2	20 same ((correct\$3 or increas\$3 or decreas\$3) with density)	USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2006/12/10 15:46

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22	BRS	L22	0	21 same ((colour or color or chrom\$6) with ratio)	USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2006/12/10 15:47